

ATCO



By Appointment
to Her Majesty the Queen
Manufacturers of Motor Mowers
Also-Quintal Ltd., Stoneham



By Appointment
to H.M. The Prince of Wales
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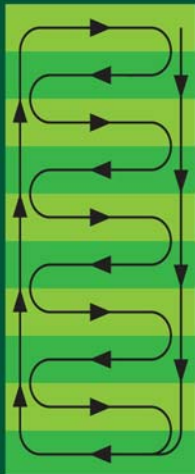
The Finest Cut of All



General Information

Creating Stripes

1. As a mower runs over a lawn, provided it has a roller, it forces the grass in one direction and then in the opposite direction creating stripes. The heavier the mower, the more defined the stripe.
2. Cylinder mowers accentuate the striping because the grass is cut in one direction only.
3. Follow a pattern of cutting as illustrated below. Firstly cut around the perimeter of your lawn to provide a turning area then cut in straight lines either up and down your lawn or side to side with each cut slightly overlapping the previous one.
4. Other patterns can also look effective i.e. diagonal stripes or a chequer board effect cutting in one direction and then at right angles.



A Guide to Scarifying

1. Thatch is layers of dead grass and moss which have accumulated on the surface of the soil and must be removed to maintain a healthy lawn.
2. There are two approaches to scarifying:
 - i) Remove little and often from March through to October, except in drought conditions.
 - ii) A vigorous scarifying in the spring and autumn.
3. Scarifying by hand rake is hard work. The Balmoral and Windsor lawnmowers can be converted into a powered lawn raker by fitting the QX™ lawn scarifier cassette, making this task much easier.
4. It is a good idea to apply a moss killer to the lawn a week or two before scarifying so that the dead moss can be removed more effectively.
5. Throughout the autumn the QX™ lawn scarifier can be used to remove light debris from the lawn.



Quick Guide to Composting

1. Shred your garden refuse before putting it on the compost heap to encourage faster decomposition.
2. Your compost needs oxygen. Do not put material in a trench, as lack of ventilation causes rotting.
3. Makes sure it stays damp. Dryness stops the activity of micro-organisms. NB: Do not let it get too damp, otherwise rotting will occur.
4. Shredded branches are recommended for the bottom layer, followed by layers of coarse and fine materials. Grass cuttings should be in very thin layers, otherwise rotting will occur.
5. Start your compost heap in direct contact with the ground. This allows decomposing bacteria to act on green tissues.
6. Suitable compost materials: tree and hedge cuttings, leaves, organic kitchen waste. Cover the latter with earth to keep pests away.
7. The ideal site: partly shaded and protected from the wind.
8. Nitrogen fertiliser, ripe compost, earth or lime will speed up decomposition. Sprinkle it thinly between the individual layers. Do not compact the heap so that air cannot penetrate.
9. Cover the finished compost heap – this encourages development of heat and prevents loss of humidity.
10. Alternatively, shred and spread directly onto borders to provide a moisture retaining, weed suppressing layer.

Product Care and Maintenance

1. Clean product after use and lightly oil any accessible moving parts i.e. blade on a lawnmower. This will ensure the product is in good working order the next time it is used.
2. After the cutting season is over give the product a good clean:
 - Remove dried grass from the blades and decks of mowers. Clean any debris from shredding mechanisms.
 - Oil blades and shredding mechanisms. Check and replace damaged electrical cables on electric machines.
3. Winter storage: Drain petrol from lawnmower to prevent sludging. Periodically circulate oil through a petrol engine by a few pulls on the recoil start rope (with spark plug removed). Mower batteries should be fully charged and stored upright in a cool environment. Periodically give the battery a top up charge.
4. Prior to first cut of the season check for any visible problems i.e. leaking petrol tanks or damaged cables.

Winter is the ideal time to service your equipment. An Atco Authorised Service Agent will be able to conduct a full service and replace any worn parts.

Get your cutting blades sharpened. The QX™ cassette system makes this easy by just having to take the cutting cylinder to the Service Agent.
5. Refer to your instruction manual for full details of care and maintenance.



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For over 80 years, Atco has been manufacturing fine British lawnmowers with a distinctive blend of traditional craftsmanship and modern technology. The Atco name is associated with outstanding performance and reliability and Atco is proud to hold two Royal Warrants, from both the Queen and the Prince of Wales.

For the traditional gardener, Atco's cylinder lawnmowers cut the grass with a scissor-like action, with the revolving cylinder blades slicing across a fixed plate. The result is a clean cut, which ensures healthy grass that is less susceptible to disease or weeds.

Atco lawnmowers are designed for gardeners who have limited time but who still demand a fine lawn. Designed with practicality to the fore, you will find the range of mowers easy to use and simple to maintain.

Atco leads the field in helping to make the garden a 'greener' and more environmentally-friendly place. In fact, we are the first garden products manufacturer to be awarded the environmental management standard BS EN ISO 14001.

www.atco.co.uk

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The Finest Cut of All



The Windsor

Classic lines with the ease of electric power – featuring the advanced QX™ (Quick Exchange) cassette system, the ideal choice for the keen gardener with a small to medium sized lawn. The Windsor offers the convenience of electric power and provides the classically striped, close-cut finish that is traditionally associated with Atco cylinder lawnmowers.

The removable QX™ cylinder cutting cassette provides economic and trouble-free maintenance and the optional QX™ lawn scarifier cassette enhances the lawnmower's versatility by converting the Windsor into a powered lawn raker.

Built to provide years of service, the Windsor has a removable 5 bladed steel cutting cylinder, a spring tine comb (14" only) which lifts the grass prior to cutting to ensure an even cut, a nickel-chrome plated front roller and self-propulsion. The variable

speed control dial allows you to choose your preferred mowing speed, making turning and manoeuvring around borders easy.

Powered by a 340 Watt energy efficient motor, the Windsor has a generous 75 feet of cable allowing access to most areas of the garden and a large capacity grassbox with fitted compactor to minimise emptying trips.

The safety switch and full-width control bar, that engages the rear roller, are designed for operator comfort and the fold-down handle enables compact storage. When you need to change the cutting height, a simple flush-mounted adjuster allows you to do so in seconds with a simple turn of the dial and gives 5 pre-set cutting heights and one for scarifying. The Windsor – an ideal choice for gardeners who take pride in their lawns.



Grass compactor doubles the box capacity.



Five preset cutting heights at the turn of a dial. Plus a setting for scarifying.

Windsor	125	148
Type	Electric Cylinder Lawnmower	
Maximum cutting width	30cm (12")	35cm (14")
Cutting system	Cylinder	
Number of blades	5 blade cylinder cutting cassette	
QX™ Cassettes	Scarifier cassette available as optional extra	
Method of starting	Safety switch and full-width bale bar	
Self-propelled	Yes	
Cuts per metre (yard)	52 (48)	
Height-of-cut	10mm - 35mm	
Scarifying height	Ground level*	
Height-of-cut adjustment	Flush mounted dial - 5 pre-set heights, plus 1 for scarifying	
Handles	Folding, adjustable height	
Rear roller	Yes	
Grassbox	Polypropylene with compactor (32L)	
Cable length	22.5m (75ft)	
Motor	Electric 340 Watt	
Maximum overall width	48cm (19")	52cm (20.5")
Weight including grassbox	24.5kg (53.9lb)	28kg (61.6lb)
Operator noise level	79dB(A) / GSP/L 94dB(A)	
Guarantee	5 year parts and motor, 2 year labour	

** The scarifying setting may also be used as a cutting height ONLY if your lawn is firm, dry and level, otherwise scalping may occur.*



The Balmoral

Impeccable breeding, impeccable performance – the Balmoral is undoubtedly one of the best petrol cylinder lawnmowers on the market today. This superbly built machine features a recoil start low emission Kawasaki engine and the revolutionary QX™ system. This 'Quick Exchange' system allows you to not only remove the blade cassette for re-grinding or replacement purposes, but also to turn your lawnmower into a powered rake by substituting the standard six-bladed cassette with the QX™ Lawn Scarifier cassette accessory. An optional extra available on Balmorals is a 10-bladed QX™ cutting cassette for more frequent cutting – ideal for croquet lawns, tennis courts or wherever a fine lawn finish is required. The combination of advanced lawnmower technology and a number of special features give the Balmoral an unbeatable cutting performance. For longer grass, you can attach the supplied side wheels which then elevate the mower to provide an effortless cut.

The spring tine comb also lifts the grass prior to cutting to ensure an even cut, and a nickel-chrome plated front roller and heavy steel rear roller produce those beautiful, classic stripes that are the hallmark of an Atco lawn. Manoeuvrability on the larger 17" and 20" models is further enhanced by a split differential on the rear roller. The Balmoral is controlled by a three-way drive facility which allows the blades to be disengaged without stopping the engine, convenient for emptying the grassbox and for powered manoeuvres around the garden. Also, when mowing in awkward corners or around trees, you can disengage the drive for manual control. Features such as foam-cushioned handles, a larger, more manageable throttle and micro-set cutting height adjuster are all designed to make mowing the lawn a positive pleasure. The Balmoral, available in 14", 17" and 20" cutting widths.



Comfortable throttle control and three-way drive



A 10-bladed QX™ cutting cassette is available for more frequent cutting.

Balmoral	14SK	17SK	20SK
Type	Petrol Cylinder Lawnmower		
Maximum cutting width	35cm (14")	43cm (17")	51cm (20")
Cutting system	Cylinder		
Number of blades	6 blade cylinder cutting cassette		
QX™ Cassettes	10 blade cylinder cutting cassette and scarifier cassette available as optional extras		
Method of starting	Recoil		
Self-propelled	Yes		
Cuts per metre (yard)	79 (73)		
Height-of-cut	6mm - 36mm		
Height-of-cut adjustment	A variable micro-set adjuster		
Handles	Folding, with 3 height settings		
Rear roller	Yes		
Grassbox	Impact resistant Polypropylene		
	52L	62L	70L
Engine	3hp 'Easy Start' low emission Kawasaki unleaded petrol engine		
Fuel tank capacity	1.6L (2 pints)		
Maximum overall width	51cm (20")	66cm (23")	68cm (27")
Weight including grassbox	45kg (99.2lb)	51kg (112.4lb)	54kg (119.1lb)
Operator noise level	81dB(A) / GSPL 96DB(A)		
Guarantee	3 year parts, 2 year engine and labour		

** The scarifying setting may also be used as a cutting height ONLY if your lawn is firm, dry and level, otherwise scuffing may occur.*



The Royale

The King of ride-ons for classic lawns – probably the finest domestic cylinder lawn mower in the world, the Royale really is the ultimate lawn mower for the garden lover and fine lawn enthusiast. Being virtually hand-built by a small team of craftsmen, the quality of design, build and finish is unsurpassed, ensuring many years of trouble-free and efficient use. It is available in three cutting widths – 20", 24" and 30" all with key start.

The six-bladed cylinder can cut as low as 5mm for an immaculate close finish but can also cut as high as 35mm to cater for longer grass.

The nickel-chrome plated front roller produces a smooth, even stripe whilst the steel rear roller has a bonded rubber cover to prevent any slippage or damage to the lawn's surface. The handle height is adjustable for convenience and the rear roller can be driven independently of the cylinder, enabling the mower

to be driven from lawn to lawn with ease. A special cradle makes the large capacity grassbox easy to roll on and lift off without spilling the grass clippings.

One of the pleasures of owning a Royale is being able to convert it into a ride-on with the unique ATCO auto-steer seat, available on all models as an optional accessory.

It can quickly and easily be connected and the one-piece padded seat offers supreme comfort whilst mowing. The seat comes with foot rests for increased comfort and manoeuvrability and has been cleverly designed to follow the centre line of the mower path without cutting across flower beds, however sharp the turn. The split steel roller provides stability when turning and the foot brake attachment gives efficient braking from a seated position.

The Royale – truly a king amongst lawn mowers.



Simple-to-use height-of-cut adjustment.



Blade disengagement lever.

Royale	20E 1/C	24E 1/C	30E 1/C
Type	Key start Petrol Cylinder Lawnmower		
Maximum cutting width	51cm (20")	61cm (24")	76cm (30")
Cutting system	Cylinder		
Number of blades	6 blades		
Method of starting	Key		
Self-propelled	Yes		
Cuts per metre (yard)	73 (67)		
Height-of-cut	5mm - 35mm		
Height-of-cut adjustment	Fully variable with support stand		
Handles	Variable height adjustment		
Rear roller	Steel with bonded rubber		
Grassbox	Impact resistant Poly-Ethylene		
	84L	96L	118L
Engine	Briggs and Stratton Intek Pro, OHV, 4-stroke, 6.5hp		
Fuel tank capacity	3.4 litres (6 pints)		
Maximum overall width	67cm (26")	77cm (30")	91cm (36")
Weight including grassbox	103kg (226.0lb)	111kg (244.2lb)	135kg (297lb)
Operator noise level	84dB(A)/GSP/L 97dB(A)	84dB(A)/GSP/L 97dB(A)	85dB(A)/GSP/L 98 dB(A)
Guarantee	2 year parts and engine, 2 year labour (for domestic use only)		

For the professional user an impressive 4m/s vibration rating means 4 hours continuous use for the Royale range



The Club

The pride of the greens – for a velvety-smooth finish for bowling greens, tennis courts and cricket pitches, the Club 20 1/C Professional provides the ideal solution. With a 12 bladed precision ground cylinder that cuts as low as 1.8mm, the Club achieves a truly impressive 146 cuts per metre.

The Club, with its large fuel tank and light, easy to handle grassbox, has been designed to give a perfect finish to large areas of turf. It has micro-set height-of-cut adjustment (1.8mm to 17mm) and adjustable front and rear rollers for an immaculate finish. To safeguard the smooth integrity of the rear roller, transport side wheels are available as an optional accessory.

The Royale and Club cylinder mowers have always been favoured by the discerning gardener or groundsman requiring perfection in the finish of their lawns and with the Briggs and Stratton INTEK PRO overhead valve engine the performance is even better. The 6.5hp high power engine offers many features including, large capacity fuel tank, engine stop switch, engine cut-out system with warning light to prevent starting when the oil pressure is low and an integrated fuel on-off switch.

If you require the best finish a mower can provide whether in your garden or for bowling greens, cricket pitches, tennis courts or croquet lawns the Royale and Club are the best that money can buy.



Micro-set height-of-cut adjustment.



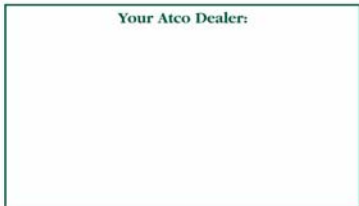
Side wheel kit available

Club	20E 1/C
Type	Recoil start Petrol Cylinder Lawnmower
Maximum cutting width	51cm (20")
Cutting system	Cylinder
Number of blades	12 blades
Method of starting	Recoil
Self-propelled	Yes
Cuts per metre (yard)	146 (133)
Height-of-cut	1.8mm - 17mm
Height-of-cut adjustment	Fully variable micro-set
Handles	Variable height adjustment
Rear roller	Split steel
Grassbox	Impact resistant Poly-Ethylene 60L
Engine	Briggs and Stratton Intek Pro, OHV, 4-stroke, 6.5hp
Fuel tank capacity	3.4 litres (6 pints)
Maximum overall width	77cm (30")
Weight including grassbox	92kg (202.4lb)
Operator noise level	84dB(A) / GSPL 97dB(A)
Guarantee	2 year parts and engine, 2 year labour (for domestic use only)

For the professional user an impressive 4m/s vibration rating means 4 hours continuous use for the Club



Your Atco Dealer:



ATCO



The Finest Cut of All

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